



Form PTO 1449		
ATTY DOCKET NO. 64-98A	SERIAL NO. 09/839,884	FILING DATE: April 20, 2001
APPLICANT: Aebersold et al.		GROUP: 1632

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U.S. PATENT DOCUMENTS

Exmr Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
86	1	6,017,693	01/25/00	Yates, III et al.	435	5	
86	2	5,952,653	09/14/99	Covey et al.	250	288	
86	3	5,686,310	11/11/97	Haystead et al	436	86	
86	4	5,650,270	07/22/97	Giese et al.	435	6	
86	5	5,538,897	07/23/96	Yates, III et al.	436	89	
86	6	5,240,859	08/31/93	Aebersold	436	89	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes/No
86	7	WO98/26095	06/18/98	PCT	C12Q	1/68	✓
86	8	WO 01/96869 A1	20/12/01	WO	G01N	33/53	✓

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

86	9		Aebersold, R. et al. (1991) "Determination of the site of tyrosine phosphorylation at the low picomole level by automated solid-phase sequence analysis" <i>Anal. Biochem.</i> 199:51-60
86	10		Bennetzen, J.L. and Hall, B.D. , "Codon Selection in Yeast," (March 1982) <i>J. Biol. Chem.</i> 257(6):3026-3031
86	11		Boucherie, H. et al. (1996) "Two-dimensional gel protein database of <i>Saccharomyces cerevisiae</i> " <i>Electrophoresis</i> 17:1683-1699
86	12		Bruce, J. E. et al. (January 2000) "Obtaining More Accurate FTICR Mass Measurements Without Internal Standards using Multiply Charged Ions" <i>J. Am. Soc. Mass Spec.</i> 11(5):416-421
86	13		Bruce, J.E. et al. (July 1999) "High-Mass-Measurement Accuracy and 100% Sequence Coverage of Enzymatically Digested Bovine Serum Albumin from an ESI-FTICR Mass Spectrum" <i>Anal. Chem.</i> 71(14):2595-2599

EXAMINER <i>Grilene R. Gehl</i>	DATE CONSIDERED <i>5/17/02</i>
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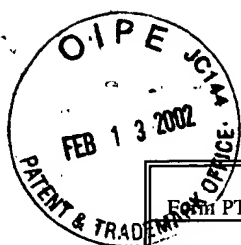
88	14	Davis, T. et al. (March 1998) "Rapid Protein Identification Using a Microscale Electrospray LC/MS System on an Ion Trap Mass Spectrometer," <i>J. Am. Soc. Mass. Spec.</i> 9 :194-201
88	15	Fenyo, D. et al. (May 1998) "Protein identification using mass spectrometric information," <i>Electrophoresis</i> 19 :998-1005
88	16	Fraser, C.M. et al. (Dec 1997) "Genomic sequence of a Lyme disease spirochaete, <i>Borrelia burgdorferi</i> ," <i>Nature</i> 390 :580-586
88	17	Futcher, B. et al. (November 1999) "A Sampling of the Yeast Proteome" <i>Mol. Cell. Bio.</i> 19 (11):7357-7368
88	18	Gingras, A.C. et al. (June 1999) "Regulation of 4E-BP1 phosphorylation: a novel two-step mechanism" <i>Genes Dev.</i> 13 :1422-1437
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88	24	Gygi, S.P. and Aebersold, R. (October 2000) "Mass spectrometry and proteomics" <i>Curr. Opin. Chem. Biol.</i> 4 (5):489-94
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88	28	Horn, D. M. et al. (1998) "A Computer Program for Automated Analysis of High Resolution Mass Spectra," <i>Proceedings of the 46th ASMS Conf. on Mass Spectrometry and Allied Topics</i> , Orlando, FL May 31 - June 4, 1998, p.118
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88	30	Jonscher, K.R. and Yates, J.R. III, (January 1997) "Matrix-assisted laser desorption ionization/quadrupole ion trap mass spectrometry of peptides. Application to the localization of phosphorylation sites on the P protein from Sendai virus" <i>J. Biol. Chem.</i> 272(3):1735-1741
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EXAMINER <i>Priscilla R. Smith</i>	DATE CONSIDERED <i>5/17/02</i>
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43	Qin, J. et al. (January 1998) "De Novo Peptide Sequencing in an Ion Trap Mass Spectrometer with ¹⁸ O Labeling" <i>Rapid Communications in Mass Spectrometry</i> 12 :209-216
44	Qin, J. and Chait, B.T. (1997) "Identification and characterization of posttranslational modifications of proteins by MALDI ion trap mass spectrometry" <i>Anal. Chem.</i> 69 (19):4002-4009
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EXAMINER <i>Grilene R. Brubaker</i>	DATE CONSIDERED <i>5/17/02</i>
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